

JAN 18 2006

WOOD, HERRON & EVANS, L.L.P.

BRUCE TITTEL
DONALD F. FREI
DAVID S. STALLARD
J. ROBERT CHAMBERS
GREGORY J. LUNN
KURT L. GROSSMAN
CLEMENT H. LUKEN, JR.
THOMAS J. BURGER
GREGORY F. AHRENS
WAYNE L. JACOBS
KURT A. SUMME
KEVIN G. ROONEY
KEITH R. HAUPT
THEODORE R. REMAKLUS
THOMAS W. HUMPHREY
SCOTT A. STINEBRUNER
DAVID H. BRINKMAN
BEVERLY A. LYMAN, PH.D.
KRISTI L. DAVIDSON

OF COUNSEL
JOHN D. POFFENBERGER
DAVID J. JOSEPHIC
THOMAS W. FLYNN
J. DWIGHT POFFENBERGER, JR.
BRADLEY D. BECK

2700 CAREW TOWER
441 VINE STREET
CINCINNATI, OHIO 45202-2917
TELEPHONE: 513-241-2324
FACSIMILE: 513-241-6234

WEBSITE: www.whepatent.com
PATENT, TRADEMARK, COPYRIGHT
AND UNFAIR COMPETITION LAW
AND RELATED LITIGATION

EDMUND P. WOOD 1923-1968
TRUMAN A. HERRON 1935-1976
EDWARD B. EVANS 1936-1971

JOSEPH R. JORDAN
C. RICHARD EBY

KATHRYN E. SMITH
P. ANDREW BLATT, PH.D.
DAVID E. JEFFERIES
WILLIAM R. ALLEN, PH.D.
JOHN PAUL DAVIS
DOUGLAS A. SCHOLER
BRETT A. SCHATZ
DAVID W. DORTON
SARAH OTTE GRABER
STEVEN W. BENINTENDI, PH.D.
RANDALL S. JACKSON, JR.

TECHNICAL ADVISORS
HENRY M. LABODA, PH.D.

January 18, 2006

FACSIMILE COVER SHEET

To: Examiner Steven Ho Yin Loke
Group Unit No. 2811
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Fax: 571-273-8300

From: William R. Allen, Ph.D.

Re: US Application Serial No. 10/777,576
Filed: February 12, 2004
Title: VERTICAL CARBON
NANOTUBE FIELD EFFECT
TRANSISTOR ARRAYS
Applicants: Toshiharu Furukawa et al.
Atty Docket: ROC920030271US1
(IBM-272)

Pages: 21 (including cover sheet)

MESSAGE/COMMENTS

Please see the attached Amendment Transmittal (in duplicate), and
Amendment Under 37 C.F.R. §1.111 for filing in connection with
the above-referenced application.

The information in this facsimile message is ATTORNEY-CLIENT PRIVILEGED, WORK PRODUCT and/or CONFIDENTIAL INFORMATION intended only for the use of the individual or entity to whom this message is addressed. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination, distribution or reproduction of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us at the above address via mail. Thank you. If transmission is interrupted or of poor quality, please notify us immediately by calling (513) 241-2324 and ask for the sender's assistant. OUR FAX NUMBER IS (513) 241-6234.

RECEIVED
CENTRAL FAX CENTER

JAN 18 2006

PATENT

IBM/272

Confirmation No. 6152CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted via facsimile transmission to Examiner Steven Ho Yin Loke, Art Unit 2811, Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 at 571-273-8300 on January 18, 2006.

William R. Allen
William R. Allen18 January 2006
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Furukawa et al.

Art Unit: 2811

Serial No.: 10/777,576

Examiner: Steven Ho Yin Loke

Filed: February 12, 2004

Atty. Docket No.: ROC920030271US1

For: **VERTICAL CARBON NANOTUBE FIELD EFFECT TRANSISTORS AND ARRAYS**

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment for this application.
2. ☐ Small Entity status is claimed.
☒ Other than a Small Entity.

3. The fee has been calculated as shown below:

(Col. 1)		(Col. 2)		(Col. 3)	SMALL ENTITY		LARGE ENTITY	
Claims Remaining After Amendment		Highest No. Previously Paid For		Extra	Present Rate	Fee	Present Rate	Fee
TOTAL	38	MINUS	33	= 5	x \$25	\$0	x \$50	\$250
INDEP.	2	MINUS	2	= 0	x \$100	\$0	x \$200	\$0
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					+\$135	\$0	+\$270	\$0
TOTALS					TOTAL FEE	\$	TOTAL FEE	\$250

- ☆ If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
 ☆☆ If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
 ☆☆☆ If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid for" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

_____ No additional fee for claims is required.

4. Attached is a check in the sum of \$_____.

 X Please charge my Deposit Account No. 23-3000 in the amount of \$ 250.00. A duplicate copy of this sheet is attached.

5. The proceedings herein are for a patent application and the provisions of 37 CFR 1.136 apply.

Complete (a) or (b) as applicable.

- (a) _____ Applicant petitions for an extension of time under 37 CFR 1.136 for the total number of months checked below:

	Extension (months)	Fee for other than small entity	Fee for small entity
___	one month	\$ 120.00	\$ 60.00
___	two months	\$ 450.00	\$225.00
___	three months	\$1,020.00	\$510.00
___	four months	\$1,590.00	\$795.00
___	five months	\$2,160.00	\$1,080.00

___ Attached is a check in the amount of \$___ for the___ month extension fee as required by 37 C.F.R. § 1.17(c)

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

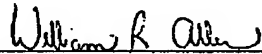
___ An extension for ___ months has already been secured and the fee paid thereof of \$___ is deducted from the total fee due for the total months of extension now requested. Extension fee due with this request \$___.

OR

(b) X Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

XX If any additional fee for claims or extension of time is required, charge Account No. 23-3000. A duplicate of this transmittal is attached.

Respectfully submitted,
WOOD, HERRON & EVANS, L.L.P.


William R. Allen
Reg. No. 48,389

2700 Carew Tower
Cincinnati, Ohio 45202
(513) 241-2324

PATENT

IBM/272
Confirmation No. 6152CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted via facsimile transmission to Examiner Steven Ho Yin Loke, Art Unit 2811, Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 at 571-273-8300 on January 18, 2006.

William R. Allen 18 January 2006
William R. Allen Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Furukawa et al. Art Unit: 2811
Serial No.: 10/777,576 Examiner: Steven Ho Yin Loke
Filed: February 12, 2004 Atty. Docket No.: ROC920030271US1
For: **VERTICAL CARBON NANOTUBE FIELD EFFECT TRANSISTORS AND ARRAYS**

AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated November 3, 2005, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks begin on page 11 of this paper.

01/19/2006 STEUMEL1 00000017 233000 10777576

01 FC:1202 250.00 DA

Page 1 of 13
Serial No. 10/777,576
Amendment and Response dated January 18, 2006
Reply to Office Action of November 3, 2005
IBM Docket ROC920030271US1
WH&E IBM/272
K:\bm272\Response to 110305 Office Action.wpd